名古屋港水族館における南極海洋生物の 25 年間の飼育、展示

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[1] *名古屋港水族館*

Rearing and exhibit of Antarctic marine organisms at Port of Nagoya Public Aquarium for 25 years

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With the exhibit theme of "A journey to the Antarctic," the Port of Nagoya Public Aquarium has been exhibiting Antarctic marine organisms and playing a part in stressing the importance of the Antarctic ecosystem and observation since its opening in 1992.
By independently devising and improving the filtration and circulation system, the aquarium has been able to develop long-term rearing of Antarctic marine organisms that inhabit extremely low temperatures. It has maintained 11 species of fish and 46 species of invertebrates for 25 years and bred two fish species and six invertebrates. Among the latter are a species of nemertean worm *Parborlasia corrugatus* – first bred 26 years ago (just before the aquarium's opening) – and the world's first successfully bred Antarctic krill *Euphausia superba*. In cooperation with many research institutions, the aquarium has also achieved a number of tangible study outcomes.
Recently, beginning with China, the aquarium has been attracting increasing numbers of visitors from abroad and therefore believes it important to continue exhibiting such remarkable Antarctic marine organisms.

名古屋港水族館は、1992 年の開館以来「南極への旅」というテーマを掲げ、南極の海洋生物の飼育展示を行っており、南極海の生態系や南極観測の重要性を広く周知することの一翼を担っている。
名古屋港水族館では、独自に濾過循環設備を工夫・改良し、極低温下に生息する南極の海洋生物の長期飼育を可能にした。これまで 25 年間で魚類 11 種、無脊椎動物 46 種を飼育し、魚類 2 種、無脊椎動物 6 種では繁殖も見られた。中には、ヒモムシの一種（*Parborlasia corrugatus*）のように開館準備段階から 26 年間飼育を継続している個体やナンキョクオキアミ（*Euphausia superba*）のように世界で初めて繁殖に成功した生物もいる。また、各研究機関と協力し、南極の生物に関する研究成果も挙げてきた。
昨今、名古屋港水族館には中国をはじめ海外からの来館者が増加しており、世界的に貴重な南極の海洋生物の展示を継続していく意義は大きいと思われる。

Fish			scientific name	common name
Class	Order	Family		
Actinopterygii	Perciforms	Nototheniidae	*Notothenia coriiceps* *1 *2	Black rockcod
			Trematomus newnesi *2	Dusky rockcod
			Trematomus bernacchii *2	Emerald rockcod
			Trematomus sp.	a species of cod icefish
			Lindbergichthys nudifrons	Yellowfin notie
			Gobionotothen gibberifrons *2	Humped rockcod
			Nototheniidae sp.1	a species of cod icefish
			Nototheniidae sp.2	a species of cod icefish
			Nototheniidae sp.3	a species of cod icefish
		Bathydraconidae	*Bathydraco marri* *2	Deep-water dragon
		Harpagiferidae	*Harpagifer antarcticus* *1	Antarctic spiny plunderfish
			11 species	
Invertebrata				
Class	Order	Family		
Anthozoa	Actiniaria	Actiniidae	*Urticinopsis antarctica* *1 *2	a spesies of sea anemone
			Isosicyonis alba *2	a spesies of sea anemone
			Actiniidae sp	a spesies of sea anemone
Anopla	Heteronemertea	Lineidae	*Parborlasia corrugatus* *2	a species of nemertean worm
Gastropoda	Nudibranchia	-	Nudibranchia sp.1	a species of sea slug
		-	Nudibranchia sp.2	a species of sea slug
	Patellogastropoda	Nacellidae	*Nacella concinna*	a species of limpet
	Neogastropoda	Buccinidae	*Neobuccinum eatoni* *1 *2	a species of sea snail
		Volutidae	*Harpovoluta charcoti*	a species of sea snail
		-	*Laevilacunaria antarctica* *1	a species of sea snail
		-	Neogastropoda sp.1	a species of sea snail
		-	Neogastropoda sp.2	a species of sea snail
		-	Neogastropoda sp.3	a species of sea snail
		-	Neogastropoda sp.4	a species of sea snail
		-	Neogastropoda sp.5	a species of sea snail
	Gymnosomata		Gymnosomata sp.	a species of sea angel
Polychaeta	Terebellida	Flabelligeridae	Flabelligeridae sp.	a species of marine worm
Pycnogonida	-	-	Pycnogonida sp.1	a species of sea spider
	-	-	Pycnogonida sp.2	a species of sea spider
	-	-	Pycnogonida sp.3	a species of sea spider
Malacostraca	Isopoda	Chaetiliidae	*Glyptonotus antarcticus* *2	a species of marine isopod
		Serolidae	Serolidae sp.	a species of marine isopod
	Amphipoda	Lysianassidae	*Waldeckia obesa* *2	a species of amphipod
		Maeridae	*Paraceradocus* sp.	a species of amphipod
	Euphausiacea	Euphausiidae	*Euphausia superba* *1 *2	Antarctic krill
			Euphausia crystallorophias	Ice krill
			Euphausia sp.	a species of krill
Holothuroidea	Dendrochirotida	-	Dendrochirotida sp.1 *1 *2	a species of sea cucumber
		-	Dendrochirotida sp.2	a species of sea cucumber
		-	Dendrochirotida sp.3	a species of sea cucumber
Echinoidea	Camarodonta	Echinidae	*Sterechinus neumayeri* *2	Antarctic sea urchin
	-	-	Echinoidea sp.	a species of sea urchin
Asteroidea	Valvatida	Odontasteridae	*Odontaster validus* *2	a species of starfish
	Forcipulatida	Heliasteridae	*Labidiaster annulatus* *2	a species of starfish
	Spinulosida	Echinasteridae	*Henricia* sp.1 *1 *2	a species of starfish
	-	-	Asteroidea sp.1	a species of starfish
	-	-	Asteroidea sp.2	a species of starfish
	-	-	Asteroidea sp.3	a species of starfish
	-	-	Asteroidea sp.4	a species of starfish
	-	-	Asteroidea sp.5	a species of starfish
	-	-	Asteroidea sp.6	a species of starfish
	-	-	Asteroidea sp.7	a species of starfish
Ophiuroidea	Ophiurida	-	Ophiurida sp.1 *2	a species of brittle star
		-	Ophiurida sp.2	a species of brittle star
Ascidiacea	-	-	Ascidiacea sp.1	a species of sea squirt
		-	Ascidiacea sp.2	a species of sea squirt
			46 species	

Table 1. List of Antarctic marine organisms bred at the Port of Nagoya Public Aquarium.
*1 Species succeeded in reproduction
*2 Species exhibited